

From ab4el.com Fri Jun 17 10:59:09 1994
From: "PMD G.SIFAKIS" <pmdsif@isoft.intranet.gr>
Subject: Re: [7m Heathkit Cantenna (?) Outpu[0m

>Does anyone know what the Heatkit dummy load phono output actually
>outputs? Is it an attenuated RF level or something else. I am
>looking for a way to use a transmitter as a signal generator
>to test out a receiver. I have misplaced my manual for the dummy
>load. Thanks. Bob AC4QO

The phono connector will give you a DC output relative to the RF power
fed to the dummy load.

George SV0KA

From ab4el.com Fri Jun 17 20:08:15 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: "Projects"

ul> From: ulowell@aol.com!JosephWP

ul> You, too. I was beginning to wonder if I was the only person with more
ul> non-working sets in line for repair or other work than working ones.

I think that's a sign of a true tube radio lover. You either
can't pass up the bargains so you buy 'em to restore "eventually,"; you
buy a lot because you want one or two included items; you are a beginner
and can't resist YET ANOTHER heavy, metal, painted, perforated, glowing
wonder! Which applies to me? Hmm... I guess it's just that I can never
bring myself to SELL anything! <grin>

ul> front panel paint job, a HQ-180AX and SX-100 which need restoration --
ul> and the parade goes on and on and on.

I think the SX-100 was one of the prettiest Hallicrafters sets.
I don't really care for Hallicrafters, as a rule. Too many "also ran"
models in between the big guns.

I have an HQ-170 which worked great till a resistor (maybe)
sizzled last Winter. Haven't looked at it yet...I'm sure it's a simple
fix. It wasn't an IF can or the power transformer, so it MUST be simple!
<grin> Hammarlund made some pretty sets. I'd like to get an HX-50 or 50A
transmitter to match it someday. As an SWL, I remember it wasn't that
long ago when the HQ-180A was a dream rig. A friend of mine has the
HQ-180AX with the crystal bank. Neat!

--Andy

... This Yaesu schematic must be wrong. Where'd they put the regen pot?

From ab4el.com Thu Jun 16 16:35:08 1994
From: JosephWP@aol.com
Subject: 51J-4 help

I am thinking about rack mounting my 51J-4 (it presently resided on top of my 5 foot rack cabinet.

Does this set require side rails for support, or can the front panel carry the weight all alone.

Joseph +

From ab4el.com Thu Jun 16 02:22:21 1994
From: DUBE2@delphi.com
Subject: 5651 tube

The 5651 is an 87-volt regulator. The 0A2 is a 150-volt regulator. Both have the same pin connections.

73,
Dube AB5AP <dube2@delphi.com>

From ab4el.com Thu Jun 16 12:02:54 1994
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>
Subject: Re: 5651 tube

On Wed, 15 Jun 1994 23:26:07 -0400 (EDT),
DUBE2@delphi.com <DUBE2@delphi.com> wrote:

>
>The 5651 is an 87-volt regulator. The 0A2 is a 150-volt regulator.
>Both have the same pin connections.
>
>73,
>Dube AB5AP <dube2@delphi.com>

The 5651 is a voltage REFERENCE tube, meant to be used to supply the reference voltage to feedback amplifier used in an active series or shunt regulator. In this arrangement the current supplied can be as large as the series or shunt regulator tubes can handle.

The 0A2 is a voltage REGULATOR tube meant to be used in a simple

shunt regulator circuit where the supplied current is about equal to or less than the maximum current capability of the regulator tube.

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From ab4el.com Thu Jun 16 17:47:22 1994
From: X90GALBRAIT1@wmich.edu
Subject: Advice/BA General Cov. rx in need...

Greetings fellow filament lovers,
I've been looking for a nice BA gen. cov. rx and so far have a couple of leads. Could someone comment on an SX-100-It seems like a good rx, what should I offer for one that is good electrically but rough cosmetically (bid dent on the top of the cabinet, modest decay)??

How about the SX-110-it seems like a lower performance model with the early 60s styling...the fellow needs \$75 for it...good deal or not?

Anyone ever hear of a National SW-54? It's a 5 tube job with a couple o' knobs...might make a nice radio for the study.

Still lookin'...I'd really like to find an R-388/51J3, but haven't seen one up for sale in awhile (last time I was broke, of course). Any leads or other BAs lookin for a loving home?

This list makes my school's vax system worthwhile!!

73,
Chris, KA8WFC
Kalamazoo, Michigan

From ab4el.com Thu Jun 16 18:54:39 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: RE: Advice/BA General Cov. rx in need...

>From: X90GALBRAIT1
>To: boatanchors
>Subject: Advice/BA General Cov. rx in need...
>Date: Thursday, June 16, 1994 5:07PM

>Greetings fellow filament lovers,

>I've been looking for a nice BA gen. cov. rx and so far have a couple of
>leads.
>Could someone comment on an SX-100-It seems like a good rx, what should I
>offer
>for one that is good electrically but rough cosmetically (bid dent on the
top
>of the cabinet, modest decay)??

Woof! Owooooo! Dig a hole and bury it! I had a NEW one in 1962 and I still
own it, simply because my parents bought it for me when I was newly
licensed. On 20 meters and above the variables vibrate and the microphonics
are horrible.

I wouldn't own a Hallicrafters receiver with a three-digit number. Get an
HQ-180 or one of the less-expensive Hammarlunds. I think the post-HRO
National GC receivers were poor, too.

Or get an R4 and load it with GC crystals.

Jim (this heat's making me crabby!) Kearman

From ab4el.com Thu Jun 16 21:34:11 1994
From: cotton@thumper.bellcore.com (Chase Cotton)
Subject: Re: Advice/BA General Cov. rx in need...

Chris,

>> How about the SX-110-it seems like a lower performance model
>> with the early 60s styling...the fellow needs \$75 for it...
>> good deal or not?

I own a S-108, a cost-reduced version of the SX-110 (the '108
lacks a crystal filter of course, the S-meter, and antenna
trimmer). I love the way the radio sounds and it is about as
sensitive as my DX-440 digital receiver. Make sure the BFO
works (mine's gone soft after 18 months use).

I've seen them listed at about \$100 +/- \$25 but I feel \$85 is
still too much (especially for a unit with cosmetic problems).
For the same money, you should be able to find a more
sophisticated radio. A timely example (but still not as good
a radio as you might find), ... on tonight's AM Swap Net, there
was a National NC-190 for \$60. The '190 is about the same
vintage as the SX-110, but had a calibrator and a dual SW/Ham
bandspread (per Moore).

Also the "bandspread" on the '108 ('110 too?) is only ham bands
and that makes SWLing just too much fun for my tastes. However,

if you have have a digital receiver around with a BF0, you can quickly tune the SX-110 by spotting the '110's L0 with the other receiver (on a common antenna). It's cheating I know, but it is a lifesaver when you've got 45 seconds to get tuned to a new station before rolling tape. BTW, I got mine clean, working well, and a few spare tubes for \$15.

If you have any chance to get out to the fests, or hit the flea markets and garage sales this summer, I'd hold off for something better. They're out there (gathering dust/rust).

Chase

Chase Cotton

cotton@thumper.bellcore.com

From ab4el.com Fri Jun 17 10:10:39 1994

From: "Kearman, Jim" <jkearman@arrl.org>

Subject: Re: Advice/BA General Cov. rx in need...

>From: Chase Cotton

To: boatanchors

Subject: Re: Advice/BA General Cov. rx in need...

Date: Thursday, June 16, 1994 9:02PM

Chase Cotton said:

I own a S-108, a cost-reduced version of the SX-110 (the '108 lacks a crystal filter of course,

Hallicrafters usually indicated the presence of a crystal filter with the inclusion of X in the prefix. In the case of the recently discussed SX-100, though, this is not true. The SX-100 (and SX-99 and SX-101, I believe) used 50.5-kc second IFs with lots of tuned circuits to get good selectivity, rather than crystal filters.

Someone else mentioned the advantages of the R4-B over the R4-C for shortwave listening. I'm not well acquainted with the 4-line gear, so I especially appreciated that info. One particular advantage the R4s have over the HQ-1XX or Hallicrafters GC receivers is in the area of dial accuracy.

The HQ-XXX/SX-XX GC receivers have two tuning dials and tuning capacitors. One is called MAIN TUNING, the other is called BANDSPREAD. The main tuning dial covers all frequencies within the range of the receiver, with fairly

rapid tuning rate. The bandspread dial on the SX-100 is calibrated for the ham bands in use at the time; I can't recall if the Hammarlunds do the same thing, but I think they did. To tune the ham bands, you preset the main tuning to a dot corresponding to the desired band. The bandspread and main tuning caps are in parallel, and setting the main tuning dial is quite critical. Thus, the need for a crystal calibrator. For general coverage use, the bandspread dial had to be placed accurately, so that the main tuning dial read somewhat accurately.....you sure couldn't get the better-than-one-kc tuning accuracy you can get with a Drake permeability-tuned oscillator!

I had time to think more about the SX-100 last night. The audio output stage is a single 6AQ5; about a watt at 10% distortion. If I were going for a serious firebottle GC receiver and I didn't want a good R-390 for some reason (like, it would collapse my table), I'd certainly go with an R4-B.

73

Jim

From ab4el.com Fri Jun 17 17:55:55 1994

From: n5off@w5ddl.aara.org

Subject: Amelia Earhart

The movie did not show any BA's in the plane I don't think, the BA's I was referring to were during the ground shots.

I think they were transmitting on a BC-312!!

73 de tom

From ab4el.com Thu Jun 16 22:41:34 1994

From: n5off@w5ddl.aara.org

Subject: Amelia Earhart on ARQ?

I watched the EA movie on USA last Sunday night. A little corny, but interesting from the radio side.

Interestingly enough, when Amelia was on the overseas phone with her husband/business manager, there was a distinct chirp-chirp of ARQ. Gee, I didn't know they had ARQ back then, especially over the phone ;-)

There were some BA shots, perhaps a BC-312 or 348. There was also a big base unit shown that looked as big as a refrigerator. Anyone know what that was?

73 de tom

Reply to:

packet n5off@k5arh.la.usa
Email (home) n5off%w5ddl.aara.org@usl.edu
Email (work) tfma@chevron.com
Lafayette, LA
office 318-989-3430
home 318-984-2561

From ab4e1.com Thu Jun 16 05:28:39 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: Apache/Mohawk

CLKC> From: ulowell!wrdis01.robins.af.mil!lakeith (CONTRACTOR Larry
CLKC> Keith;653 CCSG/SCT) Message-ID:
>
> CLKC> Heathkit Apache (came home with me!)
>
CLKC> Well, I liked the looks of it and the price was right! Don't know if
CLKC> it's a keeper or fodder for a big trade deal somewhere down the line.
CLKC> Going to have come up with a manual and one small knob.. But, right
CLKC> now, it is 3rd in line.. The Lysco and Hammarlund HQ-129-X come
CLKC> first.. Don't know much about the matching receiver.. If one were to
CLKC> appear in the next bone yard, I would have to take a look..

I have an HQ-129-X too -- given to me by the ham club at work
which was disbanding. It receives but the AGC is wrong. I haven't even
checked the tubes! Too many PROJECTS. They're starting to outnumber the
working rigs at this shack. Shame on me! <grin>

As for the Apache, it is a fine looking transmitter. The Mohawk
receiver looks basically the same. It'd be a classy pair in the shack,
if you don't trade the Apache. A friend of mine has one, but something
smoked in it. Still works in the Tune position, though. (I need to bring
my meter over someday and see what's (not) up.)

--Andy

... I'm perfectly happy with my radical Tubist viewpoint!

From ab4e1.com Thu Jun 16 11:45:45 1994
From: JosephWP@aol.com
Subject: Re: Apache/Mohawk

>>>
Too many PROJECTS. They're starting to outnumber the
working rigs at this shack.
>>>

You, too. I was beginning to wonder if I was the only person with more

non-working sets in line for repair or other work than working ones.

Right now I have a R-390A I am making a SSB mod to, a SB-110 with a intermittent in the audio section, a Poly Comm 6 that I think has audio problem or a bad mike, a BC-652 and an AM-447B waiting for a front panel paint job, a HQ-180AX and SX-100 which need restoration -- and the parade goes on and on and on.

Joseph +

From ab4el.com Thu Jun 16 13:12:45 1994
From: "Ferranti Rick" <ferranti_rick@atc.ll.mit.edu>
Subject: B-29(?) Gunsight

Here's something to complement the BA radios in your WWII bomber:

Periscopic Sighting Station Mark 33
Order #W33.038-AC-1742
Contracted to General Electric by the U.S. Navy
Made by Ferrand Optical Co., NY
Contract Date 12-30-44

It's 77.5 inches long, with dual objectives (top and bottom) about 1/2" in diameter, unity optical gain. Unit switches objectives depending on how you swing the submarine periscope-type handles; i.e. when you're looking upwards, the top objective is active; as you swing down, the bottom objective switches in. Microswitches/selsyns interface to top/bottom remote-controlled aircraft turret guns (not included...!) so you can follow an attacking aircraft as it dives past. Sight has lighted reticles, provision for anti-fogging air inputs, plugs for aircrew suit heaters.

Unit is clean, unused in original fitted tongue-and-groove wood case, with rubber eyepiece, forehead rest, and wiring in like-new condition. It's probably not for a B-29 (which the Navy didn't use), but it must have been for a large WWII Navy aircraft with remote-controlled guns.

Anybody know anything about this considerably large beast, in a friend's possession? Anyone interested in actually *owning* it? Bring a nice big pickup truck and three people.....

-- Rick WA6NCX
remler@ll.mit.edu

From ab4el.com Fri Jun 17 09:48:58 1994
Subject: Re: B-29(?) Gunsight
From: Bill Standerfer <bills@hplwslwsl.lvld.hp.com>

Rick Ferranti <ferranti_rick@atc.ll.mit.edu> wrote:

>Periscopic Sighting Station Mark 33

>[...]

>It's 77.5 inches long, with dual objectives (top and bottom) about 1/2" in
>diameter, unity optical gain. Unit switches objectives depending on how you
>[...]

>Unit is clean, unused in original fitted tongue-and-groove wood case, with
>rubber eyepiece, forehead rest, and wiring in like-new condition. It's
>probably not for a B-29 (which the Navy didn't use), but it must have been for
>a large WWII Navy aircraft with remote-controlled guns.

I don't think this was for the B-29. That airplane used GE remote sites, but
none of them was that large. Must have been for some submersible Navy
airplane. :-)

Bill

Bill Standerfer	*	Hewlett-Packard Company
CFI-A, IA, ME	*	VXI Systems Division
billsl@lvld.hp.com	*	Loveland, CO 80539
Baron N222AB - KF0DJ - Pikes Peak 253	*	303-679-2378

From ab4e1.com Thu Jun 16 22:46:44 1994

From: n5off@w5ddl.aara.org

Subject: Canadian BC-348, who made??

I had a discussion with a chap in Canada recently who has a Canadian Mil
BC-348. It resembles there older model (like an "R") but has not manufacture
info, just a front Mil tag, and a tag indicating service by Marconi in the
60's. Anyone know who made these?? I don't believe these were mentioned in
the article in ER back in 1991.

Any info appreciated.

00Ps, that would be "resembles the older" and "has no manufacture info"
,sorry for poor typing.

73 de tom

Reply to:

packet	n5off@k5arh.la.usa
Email (home)	n5off@w5ddl.aara.org@usl.edu
Email (work)	tfma@chevron.com

Lafayette, LA
office 318-989-3430
home 318-984-2561

From ab4el.com Thu Jun 16 09:24:07 1994

From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;653 CCSG/SCT)

Subject: Collins 548L-4A Linear RF Power Amp

For Howard, Marc, and others:

Surplus Sales of Nebraska
1502 Jones Street
Omaha, Nebraska 68102-3112

402-346-4750

Catalog says:

1 KW Collins Linear RF Power Amps

A builders paradise is found in one of these black boxes. The 548L-4A amplifier was made to auto tune 2-30 mhz, have 1kw PEP/aveare out with milliwatts of drive. The PA uses (and includes) four 4CX350F ceramic tubes. Units sold "as is" and are not represented as working. Figure about \$40 additional for ground UPS service is (sic) US-48. \$349 each

End of catalog entry...

I assume no power supply is included.. The faint photo shows a "black box" with no discernible connectors or controls.

Is there someone local in Omaha that can follow up?

73,

Larry, KQ4BY

"Insert usual disclaimers here.."

From ab4el.com Thu Jun 16 19:05:56 1994

From: NX7U@aol.com

Subject: Re: Collins 548L-4A Linear RF...

it's moot. they don't have any more.
scott nx7u

From ab4el.com Thu Jun 16 20:02:55 1994

From: "James H. Haynes" <haynes@cats.ucsc.edu>

Subject: Re: Collins 548L-4A Linear RF...

I'm not sure anything is ever moot on this list. Now we all want to know

what _was_ it?

On Thu, 16 Jun 1994 NX7U@aol.com wrote:

> it's moot. they don't have any more.
> scott nx7u
>
>

From ab4el.com Fri Jun 17 01:12:12 1994
From: terry.olaughlin@njackn.com
Subject: Dallas fest

I'll be in Texas in early July and I heard the fests there are monthly and big.
Can anybody fill me in? I'll be in Dallas the first weekend and around Austin
the rest of the time. Any surplus joints worth checking out?

Hell of a ti

From ab4el.com Thu Jun 16 05:28:30 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: Drake 2-B

ul> From: Richard E Robinson <ulowell!uncc.edu!rerobins>

ul> I had my Drake 2B with me to sell, but couldn't part with it. Had 2
ul> guys keep begging me to sell, but to no avail.

Heh, heh....keep it, Rick! I found that once I patiently clean
all the accumulated grime off a rig, even if it isn't working perfectly,
I can't part with it.

My 2-B works great, except for some hum on signals with the 2-BQ
q-multiplier. It sits by the bedside and brings me the ham swap nets
quite well. Listening to the AM hams around 3885 is good but the 3.6 kc
filter is a tad narrow. I didn't like the 2-A/2-B style chassis much but
I've really warmed up to it. I wonder if Drake should have stayed with
the white-black combination and the chrome ringed knobs. Love the
Drakes...and the best part is you don't need two people to lift 'em!

--Andy

... A ham yells into the radio; but a SW Broadcast DXer yells at it!

From ab4el.com Fri Jun 17 20:08:37 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)

Subject: Drake Linears

ul> From: "MELUCAS, MARC P." <ulowell!wsmc-mis.af.mil!MELUCAS>

- ul> On another note, would anyone care to list the models of linear amps made by Drake? I am knowledgeable of the L-4B, but were there others?

As far as I can tell, it was the L-4, the L-4B, and the L-7. They may have made an L-7A later in the 7-line evolution, but I don't know for sure.

I don't have a Drake amp, or even a transceiver... those tend to be high ticket items. (Missed out on a \$200 TR-3 with VFO and ps! Waaah.) The L-4B particularly tends to go upwards of \$700 in the swap sheets! Maybe it is that good, I dunno.

I love the Drakes more talk on them quite welcome! They don't qualify as boat ANCHORS*, but they're wonderful tube (hybrid) rigs nevertheless.

- -Andy

* you can lift them with 1 hand ('cept the L-4!)

... Was there ever a T-4XA? TR-4A? TR-4B? T-4A? T-4C?

From ab4e1.com Fri Jun 17 21:15:14 1994

From: dgf@netcom.com (David Feldman)

Subject: Re: Drake Linears

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>From owner-boatanchors@gnu.ai.mit.edu Fri Jun 17 16:44:27 1994
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> I don't have a Drake amp, or even a transceiver... those tend to
> be high ticket items. (Missed out on a \$200 TR-3 with VFO and ps!
> Waaah.) The L-4B particularly tends to go upwards of \$700 in the swap
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 \succ

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don't qualify as boat ANCHORS*, but they're wonderful tube (hybrid) rigs
>nevertheless.
```

>

I agree. Last swap here in CO included a TR4/AC4/MS4 for \$100/obo, but it was pretty beat up. Not sure if Drake stuff is considered "collectable", at least for the 4-series gear. Use Drake transverters to get on 6 & 2 M (have 2 of each) and they work quite well. Still haven't found equipment as "comfortable" as a drake 4-line.

73 Dave WB0GAZ dgf@netcom.com

From ab4el.com Fri Jun 17 11:38:18 1994
From: BRICKEY_PETER@tandem.com
Subject: Fisher 'SHIPMATE'

Hi;

I recently picked up what I think is 1/2 of a radiotelephone made by Fisher Laboratory, Palo Alto, CA. I would say its circa 1950. It is a 3 band receiver (.560 to 12Mhz) and has a separate power supply. The reason I thaink it is 1/2 of a radiotelephone is that it has has provisions for a handset and a switch on the front panel to switch from internal speaker to a handset.

Does anybody have any info on this?

Thanks -- Peter, KD6KDR

From ab4el.com Thu Jun 16 16:10:43 1994
From: linscot@is.rice.edu (Steve Linscott)
Subject: Free BA

Fellow Anchorites:

I have an RBB receiver that was given to me. I haven't looked inside, but the outside looks good. No PS. Free to a good home, but I won't ship it. If you have a friend in the Houston area that will pick it up and ship it to you, send me mail. (Would have to be a GOOD friend to move this beast!) :-)

- Steve -

* Steve Linscott, W5EGP *
* Office of Computing Services *
* Rice University *
* Houston, TX *

From ab4el.com Thu Jun 16 12:58:28 1994
From: "MELUCAS, MARC P." <MELUCAS@wsmc-mis.af.mil>
Subject: Free Vike II

Gang-

As a current resident of the Central Coast of California, I felt duty bound to inquire about the "free-to-a-good-home" Viking II. It appears that it is currently non-functioning, and has been claimed by a gentleman who desiresto bring it back to life. BTW, it was located in Culver City, only a few hours south of my location in the lovely metropolis (sic) of Lompoc, CA.

On another note, would anyone care to list the models of linear amps made by Drake? I am knowledgeable of the L-4B, but were there others? Thx.

Marc, KB0JPQ

From ab4el.com Fri Jun 17 16:12:40 1994
From: dmccrar@a553ca.orn.usace.army.mil (Dalton McCrary)
Subject: Future of LORAN

Off the subject ot boatanchor but a little on the insite of where things are headed. At a flight safety meeting for private pilots, it was stated that the Coast Guard has proposed that they will nolonger do maintenance on LORAN in 2 years. It was also stated that the VOR system will be out of the picture within 10 years. All of this is due to GPS. Earlinger Hospital in Chattanooga is doing extensive work at this very time with GPS approachfor their helicopters.

Something to think about over the weekend.

73 Dalton N4OYS

From ab4el.com Fri Jun 17 09:40:14 1994
From: "Bob Scott" <bob_scott@cpqm.saic.com>
Subject: Heathkit Antenna (?) Outpu

Heathkit Antenna (?) Output

Does anyone know what the Heatkit dummy load phono output actually outputs? Is it an attenuated RF level or something else. I am looking for a way to use a transmitter as a signal generator to test out a receiver. I have misplaced my manual for the dummy load. Thanks. Bob AC4QO

From ab4el.com Fri Jun 17 10:32:11 1994
From: mallick@ausable.crd.ge.com (John Mallick)
Subject: Re: Heathkit Antenna (?) Outpu

There's a resistive attenuator in there along with a small signal diode and a capacitor. So, what you get out of the jack is a DC level

proportional to the RF voltage across the dummy load; you can convert that into a power level. It's a cheap RF voltmeter.

73,

John WA1HNL

```
..... ..
John A. Mallick WA1HNL                      E-mail: mallick@crd.ge.com
GE Corporate Research and Development        Phone: (518)-387-7667 (W)
Schenectady, NY 12301                      FAX:   (518)-387-6560 (W)
..... ..
```

"Work like hell. Tell everyone everything you know. Close a deal with a handshake. And have fun." --- "Doc" Edgerton

From ab4el.com Fri Jun 17 10:35:37 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: RE: Heathkit Antenna (?) Output

It's a dc voltage roughly proportional to the RF voltage. That little box on top holds a diode, a cap and a resistor.

>From: Bob Scott
To: Boatanchors; QRP
Subject: Heathkit Antenna (?) Output
Date: Friday, June 17, 1994 9:02AM

Heathkit Antenna (?) Output
Does anyone know what the Heathkit dummy load phono output actually outputs?

From ab4el.com Thu Jun 16 09:38:21 1994
From: Clark Fishman (FSAC-FCD) <cfishman@PICA.ARMY.MIL>
Subject: HELP

I have a UTC (United Transformer Company) model CVM 3 modulation transformer....anybody out there have the pin out for this beauty??? I have it's listing in in old catalog but they don't identify the connections....

TNX Clark Fishman WA2UNN cfishman@pica.army.mil

From ab4el.com Wed Jun 15 21:50:27 1994
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: Herman's BC-654

to: boatanchors@gnu.ai.mit.edu

Hello Dube.

I wish I knew where I could find a decent, restorable BC-654 or -654A.

I've got the receiver section of one lying around (AMAZINGLY sensitive for such a simple design!). I don't even remember where I got the silly thing.

If I run into two rigs, I'll keep you in mind <GRIN>.

Mr. T, K9TA

From ab4el.com Wed Jun 15 23:34:51 1994
From: Fire Bottle archive handler <firebotl@jackatak.raider.net>
Subject: IBM Mainframe, Model 9121-440 ...

Larry (and the gang)-

> members of this group hauling away a Big Blue Boatanchor (albeit
> digital!) was just too tempting.. Now, I know W4PPT is anti-IBM
The hell you say! I applaud IBM for selling second-rate hardware and
bizarre solutions to problems that hadn't been invented yet! ;^)
It is the mindless dweebes who think IBM is the *only* way that I am
against... mindless drones in any pursuit are painful to endure...

However, I made a helluva living from people who "bought the program"
so I shouldn't complain... ;^)

> there must be someone out there that can cobble up a packet station
> out of that thing...

EXACTLY what I was thinking... good thing TVA is local to our area,
n'est-ce pas? ;^)

73,

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

Fire Bottle Server (Boat Anchors Get Out and Keep You Warm!)

firebotl@jackatak.raider.net

Where Old Radios and Fun ... GO TOGETHER!

+-----human interface: root@jackatak.raider.net -----+

From ab4e1.com Thu Jun 16 08:50:22 1994

From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;653 CCSG/SCT)

Subject: Re: IBM Mainframe, Model 9121-440 ...

In your message of 15 Jun 1994 at 2309 EDT, you write:

> Larry (and the gang)-

>

> > digital!) was just too tempting.. Now, I know W4PPT is anti-IBM
> The hell you say! I applaud IBM for selling second-rate hardware and
> bizarre solutions to problems that hadn't been invented yet! ;^)
> It is the mindless dweebies who think IBM is the *only* way that I am
> against... mindless drones in any pursuit are painful to endure...

OK.. Withdraw the "anti" comment. It was only intended to draw you out, anyway..

Roger the dweebies and drones.. The software business ain't what it used to be.. Hasn't been the same since we let users through the computer room door.. But, I digress!

> so I shouldn't complain... ;^)
Me, neither..

> > there must be someone out there that can cobble up a packet station
> > out of that thing...
> *EXACTLY* what I was thinking... good thing TVA is local to our area,

OK, I volunteer one pickup truck.. When do we pick it up? I need to go to Florida, anyway...

73,

Larry

From ab4e1.com Thu Jun 16 10:47:46 1994

From: "J. D. Delancy" <k1zat@bah.com>

Subject: Re: IBM Mainframe, Model 9121-440 ...

On Thu, 16 Jun 1994 lakeith@wrdis01.robins.af.mil wrote:

> > bizarre solutions to problems that hadn't been invented yet! ;^)
> > It is the mindless dweebies who think IBM is the *only* way that I am

-----> LONG LIVE THE MACINTOSH <-----

From ab4el.com Thu Jun 16 08:52:32 1994
From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;653 CCSG/SCT)
Subject: Re: Johnson Viking II

> *****
> >From: joel_seidman@smtp.esl.com (Joel Seidman)
> Newsgroups: rec.radio.swap
> Subject: SELL/DONATE: Johnson Viking II

OK, one of you left coast types go get this thing.. Who knows what else he has.....

"Better take the truck, Mabel. Don't think that rig will fit in the Honda.."

73,

Larry, KQ4BY

From ab4el.com Thu Jun 16 05:28:40 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: Late Foothill report.....

ul> From: ulowell!bangate.pge.com!DCPP!IC!HAK1

ul> Well guys, I kept notes this time.

ul> R4B/T4 \$325

Was that actually a T-4, not a T-4X? I've never actually seen a T-4 -- that's supposed to be a transmitter without the VF0. Wouldn't mind having one to match my R-4!

ul> Collins SC-101 absolutely mint ! \$800

Ugh. Just shows you how far Collins fanatics might go! Were there three made? (I assume this is the console for the 74A-4/KWS-1)

ul> HRO-50T1/4 coils \$275

Not bad!

ul> GPR-90/SB adapter in rack \$600

The GPR-90 seems to have become a popular item!

--Andy

... Bring back the Drake 4-line paint and cabinet scheme! :-)

From ab4el.com Fri Jun 17 11:58:11 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: LC vs Crystal Filters

The discussion of GC receivers brings up the case of LC filters vs packaged crystal or mechanical filters, with the mail running unanimously in favor of LC filters.

Drake returned to LC filters in the R8, with good success. The ultimate selectivity isn't quite on a par with good packaged crystal filters, but the sound quality is excellent. Actually, the only receiver I've compared side-by-side with my R8 that demonstrated improved selectivity (ie, I could hear the difference) was a \$40k maritime radio we borrowed for a few weeks (working here has some bennies!).

Assembling and aligning a receiver with LC filters is probably more expensive than just plunking in some packaged crystal filters, and there was probably a cachet about the latter that developed when Collins began using them. Still, as any user of an R-390 will tell you, you can get great performance with simple tuned circuits.

73

Jim

From ab4el.com Thu Jun 16 14:26:42 1994
From: janderson@polycom.com
Subject: Looking for gear...

A friend of mine who doesn't have Internet access asked me to post the following list of gear that he's looking for...

SX115 or HRO-60 Receiver (to use with his CE 200V)

Hammerlund HC10 SSB Converter

RME 4301 SSB Converter (for the 4350 Rcvr).

- Jeff, WA6AHL

From ab4el.com Thu Jun 16 10:42:24 1994
From: Jon Brown <jcbrown@mailhost.tcs.tulane.edu>
Subject: Re: LS166

>
> Besides Fair Radio Sales, where can I get a LS166 speaker/transformer unit?
> Is there a substitute for this?
>

Why don't you want to buy from Fair? They have 99% of the stuff
you need for your R390A, in stock, in the catalog. Perhaps you
might find some things other places, but why bother when you have
a source handy?

From ab4el.com Thu Jun 16 04:39:24 1994
From: JosephWP@aol.com
Subject: Re: Me and Consalvo? :)

What is his address:

Consalvo. Mike
7218 Roanne Dr.
Oxon Hill, MD 20745

From ab4el.com Thu Jun 16 12:03:33 1994
From: "Roy Morgan" <morgan@speckle.ncsl.nist.gov>
Subject: Re: Me and Consalvo? NO PHONE

On Tue, 14 Jun 94 17:45:50 EDT,
JosephWP@aol.com <JosephWP@aol.com> wrote:

>What is his address:
>
>Consalvo. Mike
>7218 Roanne Dr.
>Oxon Hill, MD 20745

NO PHONE. HE WON'T DEAL BY PHONE.

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From ab4el.com Thu Jun 16 05:28:24 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: Mil meter....or whatzit

ul> From: ulowell!polycom.com!janderson

ul> Made the rounds by flashlight
ul> at 5 AM when I arrived, and picked up a nice looking old
ul> thing - don't know what it is (except that it's military,
ul> probably pre-WWII). Box with a nice shiny vernier and meter
ul> on the front panel, and very little else. But it looks
ul> dynamite.

Sounds like something I got many years ago, probably also for a
song. It's a military I-106A field strength meter, covering 95-160 MHz.
Looks prewar to me....smallish cabinet but the collapsible whip antenna
looks like it'll hold me up.

--Andy

... Kill WORLD BAND RADIO and bring back Short-Wave!

From ab4el.com Fri Jun 17 20:08:28 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: Mil meter....or whatzit

ul> From: ulowell!polycom.com!janderson

ul> I took another look at the box last night - it's a BC-906D
ul> Frequency Meter, but chances are that it's closely related to your
ul> I-106A (the numbers seem too similar). There was a spot for an
ul> Antenna in the front right corner of the top of the box, but someone
ul> had removed it. The unit has a front cover (that opens to the right)
ul> containing charts.

Boy I think I saw one of those at a hamfest somewhere. It
certainly sounds familiar! What frequency range does it cover?

ul> I'd love to get my hands on another Apache - my station in
ul> high-school (71-73) was an Apache with SB-10 and HQ-129X. The 129X
ul> wasn't the greatest receiver, but I loved that Apache.

The Apaches are out there. And for the cautious, there have been
audio mods in Electric Radio. My 129 does receive, but with distorted

audio and a screwed up S-meter. Probably a combination of tubes and bad caps....a Winter project. My summer project will probably be this Johnson Invader (200) which I got last year from Gary Gompf W7FG (manuals and the owner of a Desk Kilowatt) in OK. I need to reconstruct the cable going from the power supply module to the RF module. I have the octal style connectors, but I need to make a cable. Any idea of the type of wire, gauge, shielding?

The Invader needs repainting, too. I got some grey wrinkle from AES and we'll see how close that comes. I bought it for sentimental reasons: my dad had an Invader 2000 next to his 75A-4 when I was a kid.

--Andy

... If I ever become a daddy it had better be to a pair of Drake twins!

From ab4el.com Thu Jun 16 11:48:06 1994
From: janderson@polycom.com
Subject: Re: Mil meter....or whatzit

Andy:

I took another look at the box last night - it's a BC-906D Frequency Meter, but chances are that it's closely related to your I-106A (the numbers seem too similar). There was a spot for an Antenna in the front right corner of the top of the box, but someone had removed it. The unit has a front cover (that opens to the right) containing charts.

On closer inspection, there are some dings and dents. Nonetheless, it looks very nice, and should make a nice addition on the bookshelf next to my BC-186 Regenerative Receiver.

I'd love to get my hands on another Apache - my station in high-school (71-73) was an Apache with SB-10 and HQ-129X. The 129X wasn't the greatest receiver, but I loved that Apache.

- Jeff, WA6AHL

ul> From: ulowell!polycom.com!janderson

ul> Made the rounds by flashlight
ul> at 5 AM when I arrived, and picked up a nice looking old
ul> thing - don't know what it is (except that it's military,
ul> probably pre-WWII). Box with a nice shiny vernier and meter
ul> on the front panel, and very little else. But it looks
ul> dynamite.

Sounds like something I got many years ago, probably also for a song. It's a military I-106A field strength meter, covering 95-160 MHz. Looks prewar to me....smallish cabinet but the collapsible whip antenna looks like it'll hold me up.

--Andy

... Kill WORLD BAND RADIO and bring back Short-Wave!

From ab4el.com Thu Jun 16 22:12:20 1994
From: "Terry O'Laughlin" <OLAUGHLIN@vilas.uwex.edu>
Subject: moving

My cyberspace address has changed. I'm now at terry.olaughlin@njackn.com The old address will still work, but I'm on an extended leave from work. Messages to olaughlin@vilas.uwex.edu will simply pile up on my allotted 5M LAN hard disk space. I'll only check that address every month or so.

73s Terry O' WB9GVB

From ab4el.com Thu Jun 16 15:51:14 1994
From: rdkeys@csemail (R. D. Keys)
Subject: Need a Manual or Schematic to RBM receiver

Hello fellow Boatanchorites.

I am trying to get an ancient RBM going for use on Field Day on 160 meters.

Anyone got a manual, a schematic, or a pinout for the power plug on the back of the beast?

Thanks

Bob
NA4G

From ab4el.com Thu Jun 16 13:34:35 1994
From: "Kenan, Larry" <larryk@frick.sandiegoca.NCR.COM>
Subject: Re: Need Info on Photofacts

Bill Robie wrote:

>I recently purchased a few years' worth of Sam's Photofacts from a guy

>who retired from the radio repair business several years ago. His
>(late) wife used to organize them into folders, but I still haven't
>quite figured out what her filing system was (it appears to have been,
>generally, chronological).

>Can anyone tell me:

>a) What the Sam's company's filing system was intended to be? I am
>beginning to suspect that they intended the things to be filed
>in folders by manufacture, and sub-filed chronologically along those lines --
>is that close?

They were released for sale when they were ready in a envelope containing a mixed group of useful and you_will_never_see_one radio and tv models. Therefore they are roughly chronological. The intent was that the radio-tv serviceperson (new term, like MHz) would buy one, or a few, a month at a small investment, as compared to the bigger initial outlay for a Rider's Manual. Also, individuals could afford the outlay for a package which included an individual model that they needed.

I worked in a radio parts store in the early 50's and I think we received new releases monthly and they sold for \$1.95 per package. (Sams gets \$10 for a single tv model nowadays.) They were successful with this sales plan - that was what put Rider out of business.

>b) Does anyone know if Sam's printed a locating index (they *must* have)
>like the ones that Rider published? If so, can you tell me where I might be
>able to obtain a copy?

I think that they still publish a complete index. I have one thats a couple years old.

>c) When did Photofacts first come out?

1946. Prior to the war Howard W. Sams was the editor of a service manual for P. R. Mallory, the Mallory-Yaxley Encyclopedia (MYE). I think that during the war he wrote radio service manuals for the military.

>d) While I'm asking questions, are Rider's Vol. I through X available
>in reprint (I think Rider even did their own abbreviated reprint of these,
>didn't they?)

No reprints available that I know of - the cost would be prohibitive. However a fiche edition like the available complete set of QST might be cost effective.

I do have a 10 year old reprint of the 1920's battery set pages from Rider's volume I that was intended as a supplement to the Abridged Volume 1_to_5. I don't think that reprint is available now as it was done by a defunct Los

Angeles firm. That small reprint sold for \$17.00, more than I payed for my real volume I last month (but that was an extremely lucky find).

X = 23 The last volume is quite rare, I have never seen one - that the owner was willing to sell.

Larry Kenan - KD6CKR

P.S. I'm in the market for Rider volumes II, XXI, XXII and XXIII does anyone have any for sale?

From ab4el.com Thu Jun 16 17:21:19 1994
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: Non Inductive Resistors

to: boatanchors@gnu.ai.mit.edu

Greetings, Troops.

One of my current antenna experiments calls for the use of rather large noninductive power resistors. Does anyone have any out there?

Optimum values would be 470 ohms, 100 watts or more, and 390 ohms, 100 watts or more.

Anything close, or parallel / series combinations, would be most welcome.

Tom Adams, K9TA tom.a.adams@mail.admin.wisc.edu

From ab4el.com Thu Jun 16 13:24:06 1994
From: tech@cs.athabascau.ca (Richard Loken)
Subject: OA2

Roy says:

>The OA2 is a voltage REGULATOR tube meant to be used in a simple
>shunt regulator circuit where the supplied current is about equal to
>or less than the maximum current capability of the regulator tube.

Or... The OA2 is a 150V fragile glass zener diode.

Richard Loken VE6BSV, Systems Programmer - VMS : "...underneath those

Athabasca University : tuques we wear, our heads
Athabasca, Alberta Canada : are naked!"
** tech@cs.athabascau.ca ** : - Aurthor Black

From ab4e1.com Thu Jun 16 04:39:27 1994
From: JosephWP@aol.com
Subject: PRC-47 help

I need a set of module extender cables for the PRC-47.

If anyone has these, I would like to work out a deal for them.

Joseph +

From ab4e1.com Thu Jun 16 16:18:34 1994
From: JosephWP@aol.com
Subject: Re: PRC-77/PRC-25 Batteries, anyone?

>>>
Browsing through the latest catalog from All Electronics, I notice
that they list batteries (14.4 volts and 3 volts) for PRC-77 and
PRC-25 radios at \$4.00 each.

Is this a good deal?
>>>

YES, it is. They are late issue (date codes I have vary between 11/90 and
1/91) and test out OK.

For the price, you cannot beat it. I have made several batteries out of old
BA-4386s using C cells. It costs more for the C cells than the \$ 4. 00 for
this battery.

From ab4e1.com Thu Jun 16 05:28:23 1994
From: Andy.Wallace@f278.n324.z1.fidonet.org (Andy Wallace)
Subject: R-388 Parts Here

"M> From: "Roy Morgan" <ulowell!speckle.ncsl.nist.gov!morgan>
"M> Tom,

"M> The guy who needs the handles is Andy Wallace:

"M> Andy.Wallace@f278.n324.z1.fidonet.org

Thanks for thinking of me, Roy! The BA crew is a helpful bunch.

I already sent a note to Tom and we'll see what he can do for me.

I read BA thru my local Fidonet board, as E-mail. Everything comes through as e-mail. So if you send me a private note and it's not obvious from the content that you want me to reply as private mail, please mention this in your message. And please include your Internet address, because they get convoluted on their way through the U Lowell gateway and my offline mail reader here. Good to see you figured mine out, above! <grin>

The boatanchors net has been a real BLAST. I've been neglecting a lot of the Fido ham nets because of it! If only we had holographic swap meets, too.....

--Andy

... Was there ever a T-4XA? TR-4A? TR-4B? T-4A? T-4C?

From ab4el.com Wed Jun 15 21:35:21 1994
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: R-390 Antenna Connectors

to: boatanchors@gnu.ai.mit.edu

Re. R-390/ R-390A antenna connectors;

Awhile back I lucked into a source of 125 ohm "Twinax" cable from an old computer system that was being torn out; those of you who own R-390 series sets will recognize the impedance as that of the radio's balanced input. The connectors that went to the computer terminals were the same one that's on the '390 coaxial relay's balanced input!

In case you're not lucky enough to run into a situation like this, there is an outfit called AIM that makes a line of El Cheapo coax connectors / adaptors (check your local parts distributor) which makes a similar connector for 8 or 10 bucks.

To take it one step further, I've been experimenting lately with the T2FD antenna (VERY broad banded, like a 5:1 ratio of the lower design frequency). The designed feedpoint impedance on my version is 500 ohms.

With a 9:1 balun, it's an good match for RG8/U coax (50 ohms).

With a 4:1 balun this beast is a GREAT match for 125 ohm computer Twinax!

The resulting performance is EXCELLENT in either case.

Re. R-390 speaker impedance matching;

When I first started using these sets, I managed to get a rough (passable) impedance match with an old 6.3 VAC filament transformer; 6.3 VAC side to the speaker, 120VAC primary to the R-390 local audio output.

It worked quite well, really. The only reason I don't do that anymore is because I found a bargain (25 cents each) on 600/8 ohm 5 watt level audio transformers.

Another alternative is to get hold of a 70.7 volt audio distribution transformer; that too will give you a good match.

Third alternative is to get hold of an old amplifier output transformer that has both 600 and 8 ohm secondaries; the primary and any other windings can be left floating (but NOT shorted !).

Where there's a will, the Klugemeisters of BA will find a way!

73's,

Tom "Mr. T." Adams, K9TA
tom.a.adams@mail.admin.wisc.edu

From ab4el.com Thu Jun 16 20:12:10 1994

From: Joe Reda/HQ/3Com <Joe_Reda/HQ/3Com@3mail.3Com.COM>

Subject: R-390-A speaker

>From: "Menachem Galatz DC" <mgalatz@panix.com>

Subject: R390A speaker/antenna suggestions?

>Hi guys.

>What kind of speaker should I use for the R390A. I was told I need to do
>something about converting the 600ohm output down to 8ohms. Is that
>correct? What type of transformer should I get, and speaker type should I
>use for the maximum audio quality? What type of plug and cable? Can you
>hook up a second speaker to this thing (I'd like to run a wire to a second
>speaker in the kitchen)?

I've seen the LS-166 recommended here, but if you don't want to go that route you can use

a Radio Shack 12V 1 AMP filament transformer. Hook the 115V side to the receiver and the 12V side to an 8-ohm speaker, and you will get good results. This has worked better than any other option I've tried.

One could improve the turns ratio by opening the transformer and determining the turns ratio of the 12V winding, then adding more wire to bring the secondary up to around 13.5 (I think) volts. This would present around 600 ohms to the primary (but I haven't tried that).

Or, buy a spare audio chassis from Fair Radio, and send it off to Bill Kleronomos (spelling?) who advertises in Electric Radio. He will do his audio mod on the chassis and the results are quite spectacular. He published the mod in a 1992 issue of ER; I tried it and I'm quite pleased.

Good luck \\JR

From ab4el.com Fri Jun 17 09:41:20 1994
From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;653 CCSG/SCT)
Subject: R-390A Parts Rigs..

Someone asked me to check on some R-390A parts rigs.. But, I must have dumped the message.. I have the info.. please e-mail.

Tnx,

Larry

From ab4el.com Thu Jun 16 15:39:26 1994
From: Schroeder.Wbst207V@xerox.com
Subject: RBA Wanted

Hollowstaters,

I would like to find an RBA receiver, hopefully in working condition and reasonable physical shape. Not looking for mint condition. Any leads would be appreciated.

Thanks,

Russ W2DYY

Schroeder.Wbst207V@Xerox.com

From ab4el.com Fri Jun 17 11:22:41 1994
From: linscot@is.rice.edu (Steve Linscott)
Subject: RBB

The RBB has decided to move from Baytown to Houston, and live with David,

KA5MSL. Thanks to all who inquired.

73 de Steve

* Steve Linscott, W5EGP *
* Office of Computing Services *
* Rice University *
* Houston, TX *

From ab4el.com Fri Jun 17 11:16:51 1994
From: HAK1%IC%DCPP@bangate.pge.com
Subject: re:Amelia Earhart on ARQ?

Tom,

Did the movie show a cockpit shot of Amelia leaving on her last "trip" showing the radio on the instrument panel ? If so then it should not have been a BC-342 or BC-348. The receiver she actually had in the plane was a Bendix RA-1B.

Howard AD6Y
hak1@pge.com

From ab4el.com Thu Jun 16 10:50:50 1994
From: HAK1%IC%DCPP@bangate.pge.com
Subject: re:Late Foothill report.....

Andy,

Yes, Drake made a model T4 Reciter. It looks like a T4X EXCEPT where the VFO and knob are supposed to be is blank. It was designed to make the R4 or R4A into a transciever with the addition of this device. Drake didn't make a lot of these and all that I have seen have been in pretty good shape.

Howard AD6Y
hak1@pge.com

From ab4el.com Thu Jun 16 19:57:20 1994
From: HAK1%IC%DCPP@bangate.pge.com
Subject: re:RE: Advice/BA General Cov. rx in need...

I agree with Jim on the subject of a GC receiver. My personal choice for a ba GC receiver would be a Drake R4-B with an FS-4 (no crystals needed !).

The Drake is miles ahead of ANYTHING National or Hallicrafters or even Hammerlund made in the 60's. Collins is a different case but I would still prefer a Drake R-4B for SWL'ing and general tuning around.

Carry a Drake receiver around a swapmeet for a while and then try doing the same with a humongous National/Hallicrafters/Hammerlund/Collins boatanchor. You'll get a real appreciation of the Drake.

The Drake should be priced around \$125-\$175 which isn't much different than the other "decent"(not) receivers. The FS-4 adapters have been going for about the same as the receivers. The R-4B has 10 aux crystal sockets that can give you 10 extra SWL bands of your choice if you don't want to try to find an FS-4.

The Drake R-4C is not quite as good a SWL receiver due to it's different filtering method but it does have 15 extra crystal sockets (bands).

Howard AD6Y
hak1@pge.com

From ab4el.com Fri Jun 17 11:36:33 1994
From: HAK1%IC%DCCPP@bangate.pge.com
Subject: re:Re: Advice/BA General Cov. rx in need...

Jim,

I have a Drake R-4B and a couple of R-4C's and can tell you that I prefer the audio on the B version for SWLing and the performance of the C version for serious ham band use. The B version uses a 50kc LC passband tuner for selectivity and can be opened up to 4.8kc. It sounds real good on AM at that selectivity position. The C version uses 5.6mc cf crystal filters and even with a 6kc wide filter the C version doesn't sound as good as the B version. There is something to be said of the LF LC filters as far as "smoothness" goes. It must be that the phase distortion at the shoulders and slopes of the 50kc filter is superior to the phase distortion of the HF xtal filters.

I would love to get another pristine R-4B.

Howard AD6Y
hak1@pge.com

From ab4e1.com Fri Jun 17 12:53:44 1994

From: lakeith@wrdis01.robins.af.mil (CONTRACTOR Larry Keith;653 CCSG/SCT)

Subject: Recurring Swapmeets

Have been berating one of the local club presidents to establish and continue a periodic (monthly or quarterly) swapmeet. My idea is to set up in one of the local supermarket parking lots for about 4 hours on a Saturday morning to sell, swap, and give away stuff.. Since I'm the guy with overflowing garage, I am always interested.. The pres is not convinced...(His garage probably has cars in it!)

Since I have seen references, here, to continuing periodic swapmeets I would like to get a little more information. Specifically,

1. Where are the recurring swap meets?
2. How often are they held?
3. Who sponsors them?
4. Is there an admission charge? Charge for seller space?
5. What is the normal attendance (WAGs OK)?
6. How far do folks drive to get to these things?
7. Any other info that might help make my case?

73,

Larry, KQ4BY

From ab4e1.com Fri Jun 17 15:58:45 1994

From: janderson@polycom.com

Subject: Reid Simmons, where are you?

Sorry to bother the rest of the list with this, but my mail keeps getting bounced...

Reid:

I'm very interested in the manual for the EICO 710, but my reply to you keeps getting bounced back as undeliverable. I'm using simmons@zds.com - is this correct? It keeps coming back!

Nonetheless, let me know the reproduction and postage costs, and I'll get you a check in the mail.

Many thanks!

Jeff, WA6AHL

From ab4el.com Fri Jun 17 14:09:04 1994
From: drs@ccd.harris.com (Doug Snowden)
Subject: Request for Info You Dont Have

I got some nice data sheets from Larry on the 4-1000 tube. Again thanks Larry. One thing missing is the maximum tube base seal or plate seal temperature. I am planning on ordering some temperature sensitive paint to check mine with during initial testing and don't know what I need. Now go back to work and forget you read this....

Have a nice weekend...
Doug, N4IJ drs@ccd.harris.com

From ab4el.com Thu Jun 16 16:38:49 1994
From: JosephWP@aol.com
Subject: SB-110 Knob

I need the main tuning knob for a Heathkit SB-110.

Any help would be greatly appreciated.

Joseph +

From ab4el.com Fri Jun 17 11:36:44 1994
From: JosephWP@aol.com
Subject: Re: SB-110 Knob

>>>

By the way, is that really an SB-110 or a 110A. All the 110's I have heard about say 110 on the front but 110A on the serial number tag.

>>>

You are correct - it is a SB-110A. The manual clearly indicates that it is for the A model.

If you can find a knob, I would really be grateful.

Joseph +

From ab4e1.com Thu Jun 16 11:08:19 1994

From: HAK1%IC%DCPP@bangate.pge.com

Subject: Source of manuals.

Jeff and everyone else,

I ran into a guy that said he has 100's of thousands of manuals for all types of test equipment in stock. Prices are in the \$10-\$15 area. They also buy manuals. Manuals include : HP, Tektronix, Genrad, Fluke, Wavetek, Heathkit, EICO, Keithley, Simpson, Triplett, Dumont, Systron-Donner, Hickock, plus 100's of others. Visa/MC accepted.

Manuals Plus
PO Box 937
Spanaway, Wa 98387-0937
(206) 531-8031
(206) 536-1121 (fax)

8:30 AM to 4:00 PM Pacific Time, Monday thru Friday.

I have not bought anything from these guys yet but this seems reasonable to me.

Howard AD6Y
hak1@pge.com

From ab4e1.com Fri Jun 17 16:13:34 1994

From: censun1!gc@uunet.uu.net (Gary Chatters)

Subject: SX-100 (Was: RE: Advice/BA General Cov....)

Adding to the discussion of the SX-100 and other boatanchor receivers:

>

>>Greetings fellow filament lovers,

>>I've been looking for a nice BA gen. cov. rx and so far have a couple of
>>leads.

>>Could someone comment on an SX-100-It seems like a good rx, what should I
>>offer

>>for one that is good electrically but rough cosmetically (bid dent on the
>top

>>of the cabinet, modest decay)??

>

>Woof! Owooooo! Dig a hole and bury it! I had a NEW one in 1962 and I still

>own it, simply because my parents bought it for me when I was newly
>licensed. On 20 meters and above the variables vibrate and the microphonics
>are horrible.

>

>I wouldn't own a Hallicrafters receiver with a three-digit number. Get an
>HQ-180 or one of the less-expensive Hammarlunds. I think the post-HRO
>National GC receivers were poor, too.

>

I owned an SX-100 in about the same time period. I don't recall that
it was quite that bad, but that was some time ago so the memory
is a little hazy.

As a novice and new general I operated mostly 80M CW and RTTY,
so I didn't notice the mechanical stability problems as much as
Jim did, but it was still a problem. The receiver was on a workbench
attached to a wall. When ever the door next to the table was
slammed, the receiver seemed to wobbled up and down the band a couple
of times.

As has been mentioned it used LC filtering at a low (50kc) IF.
I don't remember exactly but it had something like 0.5, 1, 2 and 4
kc selectivity steps. It also had a T-notch filter.

One thing that has not been discussed much here is a receiver's
ability to receive SSB. The SX-100 was designed for SSB reception
and did a tolerable job of it. I have little experience with
R-388s but was at a club station with some other members trying
to tune in some SSB stations with an R388 and found it to
be rather difficult. The problem was that there was not enough
BFO injection and the only way to get SSB was to cut back
on the RF gain. Has anyone else experienced this?
A lot of the older receivers used an external adaptor for SSB
reception.

I am not trying to recommend the SX-100, just give a little
more background on it. The Drakes or Collins would be
the preferred receivers if you can find one, although the
Drake is really not full general coverage.

There was an article on the SX-100 in a recent issue of ER.
I don't see many of them on the used market but a couple
have shown up in HTYS for about \$150. That seems rather
high considering what else you can get for the same money.

Gary

From ab4el.com Fri Jun 17 20:32:01 1994
From: censun1!gc@uunet.uu.net (Gary Chatters)
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Gary

From ab4el.com Fri Jun 17 16:45:25 1994
From: Joe Reda/HQ/3Com <Joe_Reda/HQ/3Com@3mail.3Com.COM>
Subject: Re: SX-100 (Was: RE: Advice/BA General Cov....)

Gary says:

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An SX-100 for \$150?? As Dr. Smith of "Lost in Space" used to say, "Nevah!!"

\\JR KC6TXU

From ab4el.com Fri Jun 17 18:05:09 1994
From: tech@cs.athabascau.ca (Richard Loken)
Subject: re: SX-100 (Was: RE: Advice/BA General Cov....)

Gary says:

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>have shown up in HTYS for about \$150. That seems rather
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All told, this and earlier posts in this thread don't really condemn the Hallicrafters, Hammarlund receivers so much as they emphasize that it is easier to build a first class ham band only receiver than a general coverage receiver. If you want a first class general coverage receiver you have to pay for it - at least the original purchaser did. This also applies to the entire Drake hollow state line including the SW-4, they are limited coverage receivers with lots of crystals.

Actually from the anecodotes I see about the three prominent rice box manufacturers today, this still applies.

Richard Loken VE6BSV, Systems Programmer - VMS : "...underneath those
Athabasca University : tuques we wear, our heads
Athabasca, Alberta Canada : are naked!"
** tech@cs.athabascau.ca ** : - Aurthor Black

From ab4el.com Fri Jun 17 20:31:57 1994
From: Joe Reda/HQ/3Com <Joe_Reda/HQ/3Com@3mail.3Com.COM>
Subject: Re: SX-100 (Was: RE: Advice/BA General Cov....)

Gary says:

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\\JR KC6TXU

From ab4el.com Fri Jun 17 10:40:20 1994
From: "Ferranti Rick" <ferranti_rick@atc.ll.mit.edu>
Subject: SX-110, Hammarlunds

I have to agree with Jim Kearman; I was recently given an SX-110 (a friend found it in the dump and thought of me....I'm not sure I like that

association...). Like the other triple-digit Halli's I've owned (S-129, SX-111) it's singularly unimpressive; it's just not a fun radio to fiddle with.

And it's a strange throw-back design -- Hallicrafters had been using miniature tubes in their receivers since the late 40's; here's an early 60's design full of octals! They must have found a bunch of them on the surplus market. I'll probably just keep the SX-110 so my infant son can play ba radio in a few years without daddy worrying about him tearing the dials off my HRO or 51J4 or NC-100X or HQ-120X or...goodness, do I have that many?

But I have to comment that the HQ-120X, and probably its postwar clone the HQ-129X, and maybe some other Hammarlunds, actually switch the "L" *and* the "C" for every band -- the tuning cap has up to six sections. This means that the LC ratio is optimized for every band, so even the general coverage dial markings are not all crowded or squashed as badly at the high frequency end as is the case with the Halli's or Nationals. Plus, the crystal filter in the -120X runs rings around anything either National or especially Hallicrafters ever made; it's almost as good as the one in the magical Collins 51J4.

-- rick WA6NCX

From ab4el.com Fri Jun 17 12:03:27 1994

From: janderson@polycom.com

Subject: Re: SX-110, Hammarlunds

I used an HQ-129X for many years, and was all too happy to get rid of it. Although it performed well on 40, on the higher bands, like 15, its sensitivity was terrible! A friend of mine at the time was using a little Radio Shack DX-150, and was running rings around me working DX on 15 - he could hear them, I couldn't.

Of course, maybe it was just that particular receiver (or THAT particular operator!).

Now that I have a 388 and 390A (dream radios of my youth), I'm a much happier camper.

- Jeff, WA6AHL

From ab4el.com Thu Jun 16 08:16:08 1994

From: Paul (GW7KES) <pdu@unixa.nerc-barry.ac.uk>

Subject: Re: Terman on Radar Jamming

On Mon, 13 Jun 94 22:13:12 GMT, Hugh D. Stegman <driver8@red-eft.la.ca.us> wrote:

>>

>>>Actually, Charles Babbage was a computer guy..

>>

>>That's right, Ada Babbage was the software end of the operation.

>>

WRONG! There was NO Ada Babbage, Ada refers to Lady Ada Lovelace, I THINK she was the daughter (or some relative) of Lord Byron.

Allways knew the history part of those computer studies CSE classes would come in handy ;-)

73!

Paul, GW7KES.

From ab4el.com Thu Jun 16 21:14:25 1994
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: The Gasbag Fleet's Radios

to: boatanchors@gnu.ai.mit.edu

Greetings, Troops!

In the past week or so we've gotten profiles on the electronic complements of B-29s, and of ships of the fleet.

The one that intrigues me is this; what kind of stuff did the Navy's lighter than air fleet (e.g., Blimps) carry?

During WWII the Navy flew a Goodyear patrol blimp, which I believe was called a "Pilgrim Class" airship. In the videotape version of the old NBC-TV series "Victory At Sea", they give a brief shot of a blimp radio compartment (episode title= "Beneath the Southern Cross").

I'm not really sure but I think I saw a G0-9 transmitter (the G0 stuff all got surplused out before I got into BA chasing).

Anybody out there who used to wear the half wing insignia of the lighter than air fleet?

I for one would love to hear gasbag yarns.

73's,

Tom, K9TA

From ab4el.com Fri Jun 17 00:38:15 1994
From: Bill Robie <robie@umbc.edu>
Subject: Re: The Gasbag Fleet's Radios

On Thu, 16 Jun 1994 TOM.A.ADAMS@mail.admin.wisc.edu wrote:

>

> Anybody out there who used to wear the half wing insignia of the lighter
> than air fleet?
>
> I for one would love to hear gasbag yarns.

I'll second that!

Bill

From ab4el.com Fri Jun 17 11:34:28 1994
From: "Kearman, Jim" <jkearman@arrl.org>
Subject: US/Russian Crystal

Response to my previous posting has been underwhelming.

Last weekend I turned up a couple of FT-243 crystals with both US Army Signal Corps and Russian cyrillic markings. I'd like to trade one of them for another crystal I don't have in my collection.

I'm especially interested in crystal holders with tuning adjustments. I already have one in the FT-243 series, so what else do you have? I think I have most of the common crystal holders--I'm looking for something truly unusual.

The crystal need not be in the ham bands.

If you think you have something of interest, let's exchange enlarged photocopies of the data plates.

73

Jim
jkearman@arrl.org

From ab4el.com Thu Jun 16 12:58:28 1994
From: tech@cs.athabascau.ca (Richard Loken)
Subject: VTVM ohmmeter battery elimination

This has been brought up before.

My Heath IT-28 VTVM battery holder is no longer reliable and rather than fix it I thought about building an eliminator. So... it seems to me that two or three rectifiers stacked would give me the 1 - 2V regulated source with a 51 ohm 2 W resistor to a rectifier and filter on the 6.3V filament rail.

BUT... My calculations suggest that the ohmeter will pull 130 mA when the probes are shorted. Therefore my regulator must pull over 130 mA all the time (thus the 51 ohm 2 watt resistor to give me enough current for a 0 ohm reading) The schematic lists the 6.3V winding at 0.8A (if Heath didn't overrate their transformer) and the two tubes draw 600mA. I am significantly increasing the demand from the filament winding.

Is this the best way to do this?
Will the power transformer take the heat?
Should I just fix the battery holder?

Somebody else had did this once but I didn't keep the message.

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Richard Loken VE6BSV, Systems Programmer - VMS   : "...underneath those
Athabasca University                             : tuques we wear, our heads
Athabasca, Alberta Canada                       : are naked!"
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From ab4el.com Thu Jun 16 20:19:59 1994
From: Joe Reda/HQ/3Com <Joe_Reda/HQ/3Com@3mail.3Com.COM>
Subject: Zenith Trans-Oceanic

Boatanchorites,

I have a chance to buy a Zenith Trans-Oceanic in reasonably good shape (at least it looks that way under the dust) for \$45 or so. I'm really unfamiliar with these sets; is this a good idea? I know that many people who have 'em really like the radio. I don't know which variation this particular model is.

Thanks \\Joe KC6TXU

----- Previous Message -----